IEEE P802.11  
Wireless LANs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| CR for CID 22015 | | | | |
| Date: 2019-03-13 | | | | |
| Author(s): | | | | |
| Name | Affiliation | Address | Phone | email |
| Laurent Cariou |  |  |  | laurent.cariou@intel.com |

Abstract

This document provides CR for CIDs: 22015

1. **Introduction**

Interpretation of a Motion to Adopt

A motion to approve this submission means that the editing instructions and any changed or added material are actioned in the TGax Draft. The introduction and the explanation of the proposed changes are not part of the adopted material.

***Editing instructions formatted like this are intended to be copied into the TGax Draft (i.e. they are instructions to the 802.11 editor on how to merge the text with the baseline documents).***

***TGax Editor: Editing instructions preceded by “TGax Editor” are instructions to the TGax editor to modify existing material in the TGax draft. As a result of adopting the changes, the TGax editor will execute the instructions rather than copy them to the TGax Draft.***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **CID** | **Commenter** | **Page** | **Clause** | **Comment** | **Proposed Change** | **Resolution** |
| 22015 | Andrew Myles |  |  | A number of companies are aggressively advocating in ETSI BRAN and 3GPP RAN1 that 802.11ax should use an ED threshold of -72 dBm when operating in the 6GHz band. They are basing their campaign on simulations that show both 802.11ax and NR-U are better off when using a maximum ED threshold of -72 dBm (NR-U already uses this threshold, whereas 802.11 uses an ED threshold of -62 dBm in combination with a PD threshold of -82 dBm). Some 802.11 individual members have advocated in the Coex SC for a similar change .  The proposed change is R1significant because it changes a basic parameter of 802.11 operation after 20+ years of successful operation. However, the proposal does deserve proper consideration.  The Coex SC has discussed this proposal at length without consensus, but does not have the authority to agree to the change anyway. It needs to be agreed in TGax.  This comment has been inserted into the WG LB on D5.0 to at least get the discussion on the agenda in TGax. The material provided to the Coex SC can be used to inform any discussion in TGax | For the purposes of starting discussion on this issue, I would like to propose that the ED threshold for 802.11ax operation in the 6 GHz band be changed from -62 dBm to -72 dBm (note the specification of -72 dBm applies only when the maximum transmit power is >= 23 dBm. A more complete specification of the proposed threshold is in EN 301 893 v2.1.1 clause 4.2.7.3.2.5, option 2).  I will leave it to the experts in TGax to determine where this change should occur in the 802.11ax draft.  This comment is not on any changed text (as far as I know) and so it could be rejected by TGax on this basis. If this is the desire of TGax then the comment will be resubmitted+S1 for reconsideration during the SC ballot phase.  Alternatively, TGax could decide that this change is unacceptable regardless of any process issues. In that case, it would be appropriate to reject the comment with a response that indicates the proposed change will never be acceptable (there are some good technical reasons to take this approach, which I am happy to provide to TGax). The benefit such a rejection is that it would give the Coex SC direction on possible LSs on this topic to ETSI BRAN and 3GPP RAN1. | Reject - The comment fails to identify a technical issue with the draft. |

1. **Proposed changes**